COPY PEN
HANDY COPY CP-9

Owner's Manual
Manual del propietario
用戸操作説明書

CASIO

英西中 MO02033003A Printed in Japan

English

Thank you for purchasing the Casio CP-9. This manual provides easy-to-understand instructions which will let you use this unit in only minutes. Before using this unit, be sure to read these instructions thoroughly.

- This document may not be copied, photocopied, reproduced, translated or reduced, in whole or in part, in written form or to any electronic medium or machine-readable form without prior written consent from the manufacturer.
- The manufacturer assumes no responsibility for any damage or loss resulting from the use of this manual.
- The manufacturer assumes no responsibility for any loss or claims by third parties which may arise through the use of the unit.
- The manufacturer assumes no responsibility for any damage or loss caused by deletion of data as a result of malfunction, repairs, or battery replacement.
- The information contained herein is subject to change without notice.

Precautions

When using this unit, be sure to observe the following precautions:

- Avoid using in areas subject to direct sunlight or extremes of temperature or humidity. Be especially careful to avoid letting the copy element become exposed to direct sunlight.
- This unit is designed for use in temperatures between 5° (41°F) and 35°C (95°F).
- Avoid repeated copying of mostly dark originals. If dark or black originals are copied successively, internal components may overheat, resulting in malfunction or even damage to the unit.
- Never allow pins, paper clips or other small objects to enter the space between the copy element and the printer head.
- Never drop this unit or expose it to strong impact. Take special care to protect the copy element and printer head — never touch them directly or allow them to be scratched.
- Be sure to protect the unit from damage by storing it in the accessory hard case when not in use.
- In some cases, when this unit is moved suddenly from a cold location to a warm one, condensation temporarily builds up on the printer head making it impossible to copy. In such cases, wait a few minutes for the condensation to evaporate before using the unit.
- Never attempt to disassemble, modify or repair this unit yourself.
- Avoid spilling coffee, juice or other liquids on this unit.
- Always switch the power of the unit OFF when you are not using it. Leaving the power switched ON for long periods will shorten battery life and may interfere with further charging.
- Be careful when you switch the power of the unit ON and OFF. Switching too quickly can damage the unit and cause malfunction.
- Avoid using this unit in the immediate vicinity of radios or televisions as it may disrupt reception.
- Never place objects on top of this unit.
- Be sure to clean the printer head regularly with a cotton swab dipped in alcohol. Take care, however, that you don't get alcohol on other components — only the printer head.
- Be sure to use a cotton swab to regularly remove any dust adhering to the copy element.

General Guide — Fig. 1

① Rollers
② Printer head*
③ Back cover
④ Power switch
⑤ Power indicator
⑥ Mode switch
⑦ Thumb guide (copy)
⑧ Copy guide
⑨ Indicates center of copy position (Copy width: 8mm)
⑩ Indicates center of print position (Print width: 8mm)
⑪ Print guide
⑫ Print direction
⑬ Thumb guide (print)
⑭ PRINT button
⑮ Copy/Printer density control (1: Lighter↔10: Darker)
⑯ READ (copy) button
⑰ Copy direction
⑱ Copy element
⑲ Rollers
⑳ Unused portion of ribbon
㉑ Remaining ribbon indicator (shows amount of remaining ribbon)
㉒ Used portion of ribbon
㉓ Connector terminal

* The printer head has a flexible mount to avoid damage when it is pressed against a printing surface. When you print, the printer head may move slightly, but this will not affect printing and is no need for concern.

Accessories — Fig. 2

Before using, make sure you have the following accessories:

① Hard case
② Ink ribbon cassette (black) × 3
③ Battery charger
④ Rechargeable battery

About the Power Supply

This unit comes complete with a rechargeable battery.

If you try to use this unit when the battery is low, the low-power alarm will sound, the power indicator will not light, and the unit will not work. At this time the data stored in this unit is cleared. Be sure to charge the battery if this should occur.

Fig. 1/Figura 1

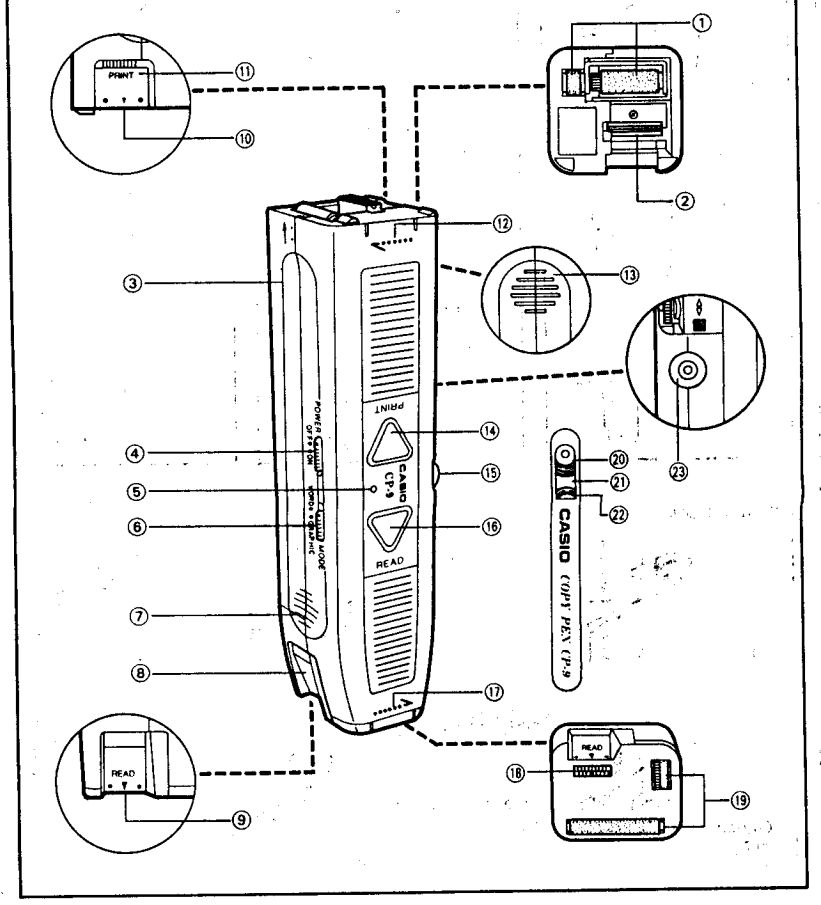
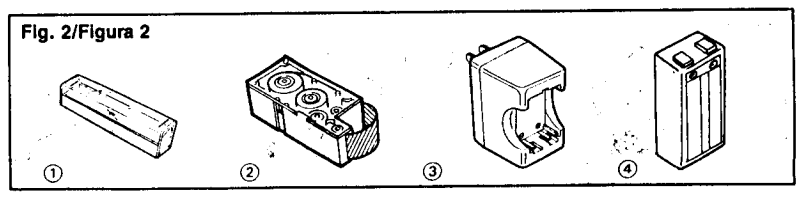


Fig. 2/Figura 2



3. Notes on copying/printing

① Always make sure original and paper being copied onto are placed on a level surface.
② Once you've placed the unit on the copying/printing surface, take care not to move it to the right or left.
③ Always move the unit in a straight line.

- Moving the unit with a circular motion or holding it at an angle may result in distorted copies, make it impossible to use the printer ribbon or even damage the printer head.
- **To move the unit in a straight line, place a ruler or other straight edge on the paper as a guide. Copying and printing is easily accomplished by moving the unit along the ruler.**

④ Move the unit slowly.
For copying, move the unit at a pace less than about 50mm (2") per second. For printing, move the unit at a pace less than about 50mm (2") per second. Any faster and it will become difficult to make clear copies.

4. How to hold the unit.
Hold the unit firmly, with your thumb placed on the thumb guide. Notice that one end of the unit is used for copying, and the other is used for printing.

Copy/Printer Density Control

- Occasionally, printing may be too light, even though copy/printer density control is set for dark printing.
Should this happen, try pressing the unit down on the surface to which you are printing with a little more pressure.
- If blotting occurs, don't press down on the unit while printing.

Choosing Originals to Copy

- Dark colors are read as black.
Original with sufficient black — white contrast can be read clearly.
- Originals with insufficient contrast, or those that contain such light colors as yellow and pink, may be difficult to copy clearly.

Choosing Materials for Printing

Generally speaking, smooth paper should be selected for printing. Rough, unfinished paper stock should be avoided. In addition, printing is possible on the other materials listed below, provided that they feature smooth surfaces (some may be more difficult to print on than others).

Paper Acrylic sheets Vinyl OHP film Wood Cloth

It is impossible to print on the following types of materials:

- Glass, metal or other materials which will not absorb ink.
- Rough or uneven surfaces (for example, the rough edges of wood sheets) may damage the printer head, tear the ribbon, etc.
- Materials which have undergone special surface processing.

The above list of materials for printing offers only some possible suggestions. Use your own discretion when attempting to print on other materials.
In some cases, the print can be erased using an eraser, etc.

How to Make Copies — Fig. 9

When to Charge the Battery

Be sure to charge the battery in the following cases:

1. When using the unit for the first time or after you have not used it for a long period.
2. When the power indicator does not light even though the power is turned ON.
3. When the low-power alarm sounds.
4. When battery level printout function indicates battery power is low.

Charging the Battery — Fig. 3

1. Making sure that the rechargeable battery is placed in the correct direction (check ⊕/⊖ marks), insert the battery into the battery charger.
2. Plug the battery charger into a normal household outlet. Charging begins automatically. Generally, the battery will be fully charged in about 10 hours. Avoid charging the battery longer than this, as doing so may actually shorten battery life.
3. When battery charging is completed, disconnect the battery charger from the power outlet and remove the battery.

Battery Power on a Single Charge

Although dependent on conditions such as ambient temperature, a single battery charge will power the unit for approximately as long as it takes to use a single ink ribbon cassette.

Notes

- Be sure to use the accessory Casio "CHA-8HC" battery charger. Never attempt to charge the battery using a different type of charger, as doing so may damage the battery or even the unit.
- When not in use, be sure to disconnect the battery charger from the power outlet.
- The optimal temperature range for charging is +10° ~ 30°C (50°F ~ 86°F). Using the charger when ambient temperature is below 5°C (41°F) or above 35°C (95°F), or when subject to direct sunlight may affect battery performance, or cause leaks or other damage.
- Charging the battery fully once every two months ensures that it supplies power for the longest period possible. Never partially charge the battery. When not using for extended periods, be sure to charge it fully at least once every 12 months.
- Battery power may be weakened as a result of self-discharge, even when the unit is not in use. Because of this, it's always a good idea to charge the battery before using.
- In some cases, battery charges may be weaker than normal when the battery is charged after the unit has been stored for prolonged periods, or after the power switch has been left ON. Try to copy a small original and print it a number of times, and then charge the unit. Repeat these procedures several times.
- Under normal use, the rechargeable battery can be charged over 300 times. If the battery loses its charge unusually quickly even though it has been charged correctly, it may be reaching the end of its service life. In this case, contact the nearest dealer.

Loading the Rechargeable Battery — Fig. 4

After it has been fully charged, load the battery into the unit.

To load the battery

1. After turning the power switch OFF, slide the back cover approximately 5mm (3/16"), as shown in the figure 4-1.
   Note: When you remove the battery, the data stored in the unit is cleared.
2. Remove the cover by lifting it with your fingers.
3. Insert the battery so that it is held by the two hooks on the unit.
4. Align the triangular mark on the back cover with the point mark on the printer as illustrated in the figure 4-4 and slide the cover into replace.

Make sure the back cover is properly reset.

About the Ink Ribbon

A single ink ribbon (black) can be used to copy and print approximately 20 meters (65.6 ft.) of original material.
When replacing the ribbon, always use Casio IR-16 ribbons (BK: black, BU: blue, RD: red, GD: gold, SL: silver).

When to Replace the Ink Ribbon — Fig. 5

- When the silver color film appears or if the ribbon stops beeing fed.
- When ribbon feeding becomes irregular and print quality deteriorates.
- Before replacing the ribbon, turn the roller in the direction indicated by the arrow. If the ribbon is wound taut, printing can be continued using the same ribbon.
- If a loop should form in the ribbon during printing, turn the roller with your finger as described in the figure 5.

To Insert the Ink Ribbon — Fig. 6

1. Remove the back cover (as described in "**Loading the Rechargeable Battery**").
2. Remove the stopper from a new ink ribbon cassette and pull the ribbon out slightly to form a small loop.
3. Insert the cassette into the unit so that the ribbon loop passes around the outside of the printer head. Press it down until it clicks firmly into place.
   - Make sure that the cassette is held firmly by the hook on the unit.
   - Take care not to touch the printer head with your fingers.
4. Turn the roller in the direction indicated by the arrow to tighten the ribbon (Figure 6-4). This will also wind up the clear ribbon leader.
5. Replace the back cover.

Make sure the back cover is properly reset.

To Remove the Ink Ribbon Cassette — Fig. 7

1. Open the back cover.
2. Remove the cassette by lifting it straight up.

Notes

- Although the ink ribbon is harmless to humans, avoid printing directly on your skin, licking the ribbon, etc. Also, be sure to keep the ribbon out of the reach of children.
- Due to the makeup of the ink ribbon, ink may melt if exposed to extremely high temperatures.
- Before storing a ribbon which you have removed from the unit, use the tip of a ball-point pen or similar object to tighten the ribbon loop (Figure 7-3).

For Best Copying Results — Fig. 8

1. When choosing paper for copying or printing, make sure that it is smooth and free from irregularities in surface quality. Place the paper on a flat surface before copying/printing. Note that it may be difficult to copy from, or print onto some types of paper stock.
   - **Before copying from, or printing onto unusually thin paper, be sure to place a few sheets of paper under the thin paper as a cushion.**
2. Before printing, check to make sure that the ribbon is taut. If it is loose, turn the roller to tighten it.

1. Switch the power ON.
   Do not print the **READ** button or **PRINT** button until the power indicator lights.
2. Set the **MODE** switch to the "GRAPHIC" position. (See "**Copy Modes**")
3. Set the copy/printer density control to a value of "6" or "7".
   Note: When copying originals with light contrast or small sized characters, turn the density control to a value darker. When printing, be sure to adjust the control to a normal value.

Now, you're ready for actual copying.
As a practice exercise, try copying the following line from this manual according to the instructions listed below.

Casio CP-9

4. Press the **READ** button once while the copy end of the unit is facing down. (Buzzer sounds)
5. Place the unit on the original so that the copy guide is positioned where you want to start copying.
   Note: Material at the edges (right and left) of the unit are not copied. For best results, position the unit so that the material you want to copy is approximately 3mm (1/8") inside the copy guide.
6. Ensuring that the unit is in close contact with the surface being copied from, move it slowly in a straight line in the direction of the arrow (Figure 9-6).
   The power indicator blinks during copying.
7. When copying has been completed successfully, you'll hear a beep (see "**Pause Function**"). Gently lift the unit off the original.
   Note: The memory is capable of holding a maximum of 512mm (20") of material for a single copy. An alarm sounds if you attempt to make a copy longer than this.
8. Turn over the unit so that the print end is facing down, then press the **PRINT** button. (Buzzer sounds)
9. Place the unit on the paper (or other material) you want to copy on, so that the print guide is positioned where you want to start printing.
   Note: For best results, position the unit so that the actual print position is approximately 8mm (5/16") inside (to the left of) the print guide.
10. Pressing the unit lightly onto the surface to which you are printing, move it slowly in a straight line in the direction of the arrow (Figure 9-10).
    The power indicator blinks during printing.
    Note: The unit will not print properly if the back cover is not firmly closed.
11. Two tones sound to indicate that printing is completed.
    If you want to print the same material again, keep the power ON, press the **PRINT** button once again and repeat procedures 9 through 11.
    Use the copy/printer density control to adjust print density.
12. When you're finished printing, switch the power OFF.

All copy contents are cleared from the unit memory when the power is turned OFF. When you try to copy a new material, the previous contents will be cleared.

13. Place the unit in its accessory hard case for storage.
    Be sure to switch power OFF.

Copy Modes

This unit features two standard copy modes, which are selected depending on the type of material being copied.

Graphic Mode — Fig. 10

Select the "Graphic" mode when copying photos, illustrations or other graphic materials.
In this mode, the copy width totals 8mm (5/16").

Word Mode — Fig. 11

Select the "Word" mode when you want to copy a single line of text from newspapers, magazines, books, etc.
In this mode, an "Edge Cutting" function automatically cuts off the unnecessary (incomplete) lines of text at the top or bottom of the copy, printing only the line centered within the copy width.

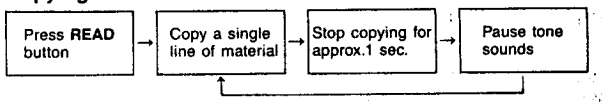
To move the unit in a straight line, place a ruler or other straight edge on the paper as a guide in this mode.
When copying does not work satisfactorily, refer "**Copy Errors**", and try again.

Pause Function

If you stop moving the unit for over 1 second while in the middle of a copy operation, a "Pause" is automatically inserted in the memory, indicated by a pause tone (beep). A total of 16 pauses can be inserted in a single copy. This makes it easy to copy text several lines at a time, in the "Word" mode.

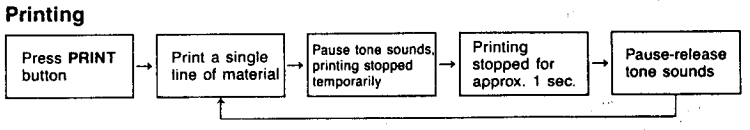
During printing, when a pause has been set, printing stops automatically at the point of the pause and a tone is heard. After approximately one second, another tone is heard and printing can be continued. This lets you stop printing temporarily to move to another line or position, and then start again.

Copying



Note: If you try to copy a total of more than 512mm (20") or you try to set more than sixteen copy stops, an alarm will sound and further copying will be impossible.

Printing


Press PRINT button
Print a single line of material
Pause tone sounds, printing stopped temporarily
Printing stopped for approx. 1 sec.
Pause-release tone sounds

Note: A double beep will sound to signal when the print operation is complete.

- When necessary, you can switch between "Word" and "Graphic" modes during the pauses in the copy operation. (Related pauses are ignored during printing, however.)

Using the CP-9 as a Pen Printer with the SF Unit —

Connect the CP-9 to an SF unit* and you can transfer SF unit data to the CP-9 for printing. Refer to the SF unit's owner's manual for information on connection methods and data transfer to the CP-9.
*SF-9000 supports this option.

Fig. 3/Figura 3

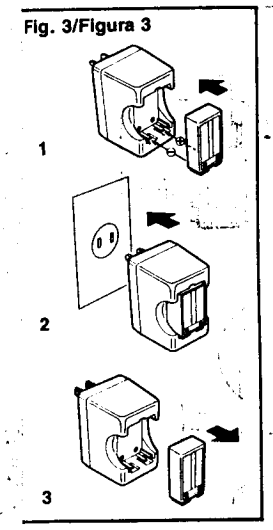


Fig. 4/Figura 4

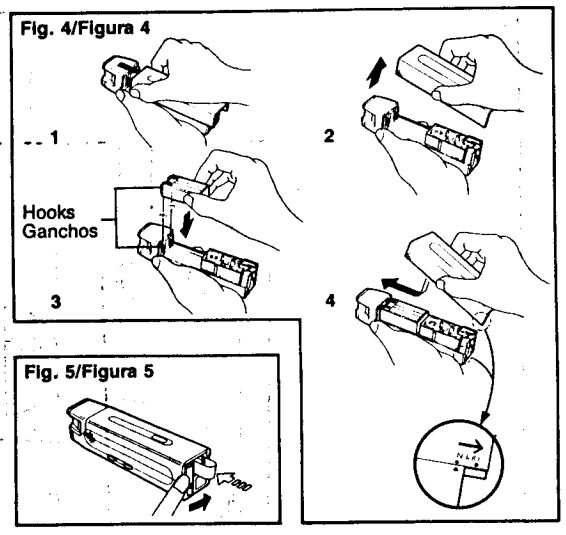


Fig. 5/Figura 5

Fig. 8/Figura 8

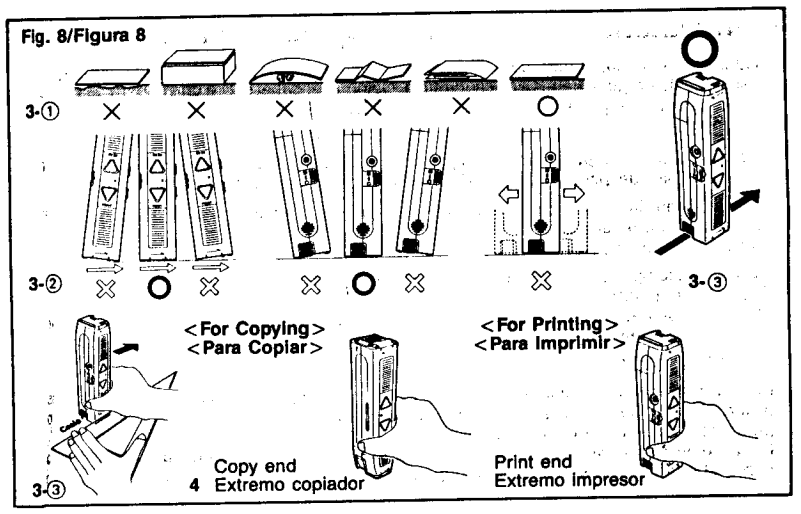


Fig. 9/Figura 9

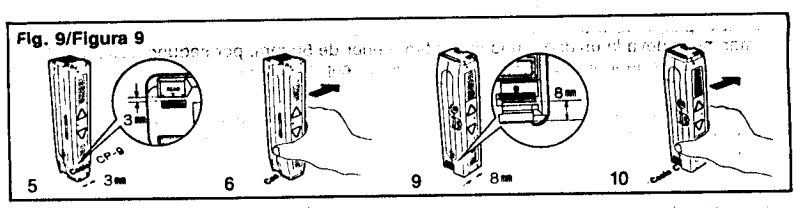


Fig. 6/Figura 6

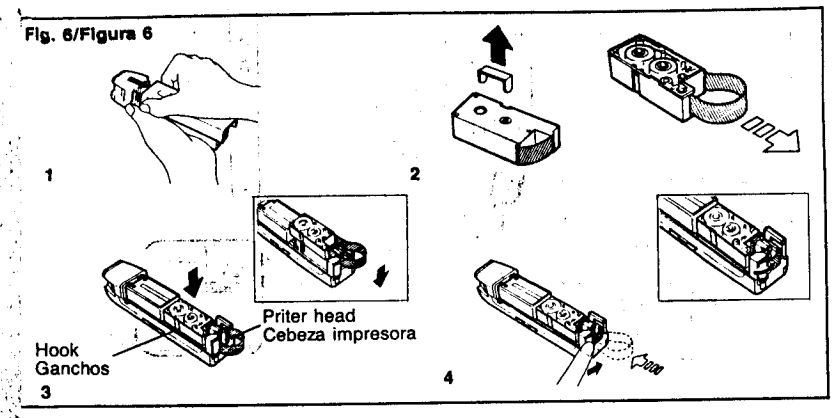


Fig. 10/Figura 10

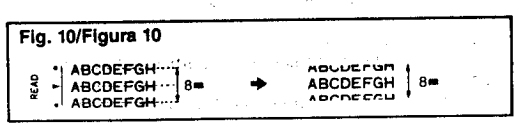


Fig. 11/Figura 11

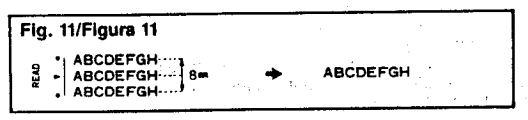


Fig. 12/Figura 12

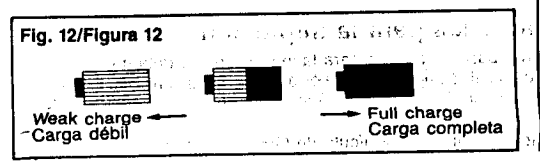


Fig. 13/Figura 13

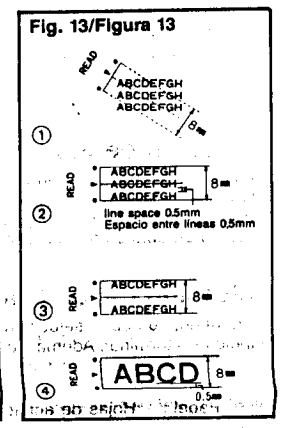
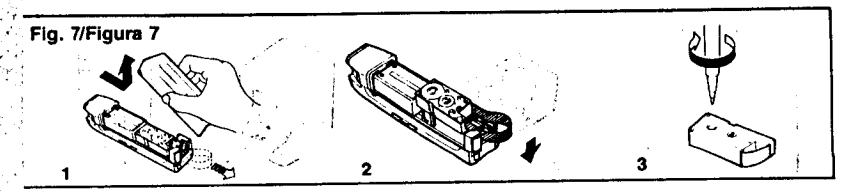


Fig. 7/Figura 7



To Print

1. Press the **READ** button once to enter the data receive mode, and the CP-9 will beep.
2. Transfer the data you want to print from the SF unit. Refer to the SF unit's owner's manual for details on data transfer.
   The power indicator of the CP-9 blinks during data transfer.
3. Press the **PRINT** button once when data transfer is complete, and the CP-9 will beep again.

The printing procedure is described in this manual under "**How to make copies**", steps 9 through 12.

All of the data stored in the memory of the CP-9 is cleared when you switch power OFF. When your press the **READ** button to receive data or make a copy, all data stored in memory up to that time is cleared.

- A newline mark (↵) transferred from the SF unit is treated as a pause by the CP-9 when you try to use "INPUT ITEM PRINT". For further details on pauses and how they are handled by the CP-9, see the section titled "**Pause Function**" of this manual.

Buzzer Tones

When you're using, you may hear a variety of tones which are produced by a built-in buzzer. The meanings of these tones are listed in the chart below.

Buzzer sound	Type of tone	Meaning
Beep	Key confirmation	Sounds when **READ** or **PRINT** buttons are pressed
	Pause set tone	Sounds when a pause is set
	Print pause tone	Sounds when a pause is encountered in print operation
	Print pause release tone	Sounds to indicate that printing can be started again after pause
Beep-beep	Final pause set	Sounds when you set 16th pause or when you copy data exceed CP-9 memory capacity
	Printing completed	Sounds when all copied material has been printed
Beep-beep-beep	Low battery	Sounds when **PRINT** button is pressed to indicate battery power is growing weak
Beeeeep	Data not registered	Sounds when **PRINT** button is pressed if data has not yet been copied (no data in memory for printing)
Beeeeep Beep	Edge cut error	Sounds when a copy error occurs in the "Word" mode (refer "**Copy Errors**")

When you want to turn the buzzer function off, switch power ON while holding down the **READ** button until the power indicator lights. The buzzer function will not be switched off if you release the **READ** button before the power indicator lights. Also, the buzzer function will become operative once again if the power is turned OFF and then ON again.

Battery Power Printout Function — Fig. 12

- En algunos casos, cuando la unidad es llevada súbitamente de un lugar frío a un lugar cálido, se produce una acumulación de condensación en la cabeza impresora haciendo que la copia sea imposible de efectuar. En tales casos, espere algunos minutos para que la condensación se evapore antes de utilizar la unidad.
- Nunca intente desarmar, modificar o reparar la unidad.
- Evite el derramar café, jugo o cualquier otro líquido sobre la unidad.
- Siempre apague (OFF), la energía de la unidad cuando no está utilizándola. El dejarla encendida (ON), por largos períodos acortará la vida de la batería y puede interferir con la recarga posterior.
- Sea cuidadoso cuando enciende ON y apaga OFF el interruptor de energía de la unidad. La conmutación demasiado rápida puede ocasionar daños o fallas en la unidad.
- Evite utilizar esta unidad en las cercanías de radios o televisores ya que ello puede interferir con la recepción.
- Nunca coloque objetos en la parte superior de la unidad.
- Asegúrese de limpiar regularmente la cabeza de la impresora con un algodón humedecido en alcohol. Tome precauciones para no mojar con alcohol otros componentes de la unidad, solamente en la cabeza impresora.
- Limpie regularmente el polvo que se acumule en el elemento copiador utilizando un algodón.

Guía General — Figura 1

① Rodillos
② Cabeza impresora*
③ Tapa trasera
④ Interruptor de energía
⑤ Indicador de energía
⑥ Conmutador de modalidad
⑦ Guía del pulgar (copia)
⑧ Guía de copia
⑨ Indica el centro de la posición de impresión (Ancho de copia: 8mm.)
⑩ Indica el centro de la posición de copia (Ancho de la impresión: 8mm.)
⑪ Guía de impresión
⑫ Dirección de impresión
⑬ Guía del pulgar (impresión)
⑭ Botón PRINT (impresión)
⑮ Control de densidad de Copia/Impresión (1: Más clara↔10: Más obscura)
⑯ Botón READ (copia)
⑰ Dirección de copia
⑱ Elemento copiador
⑲ Rodillos
⑳ Porción no utilizada de la cinta
㉑ Indicador de la cinta restante (muestra la cantidad de cinta restante)
㉒ Porción usada de la cinta
㉓ Terminal conectadora

* La cabeza impresora esta montada sobre un soporte flexibe para evitar daños cuando sea oprimida contra la superficie a imprimir. Cuando usted efectúa la impresión, la cabeza impresora puede moverse ligeramente, pero ello no afecta la impresión y no hay necesidad de preocuparse.

Accesorios — Figura 2

Antes de utilizar, asegúrese de poseer los siguientes accesorios:
① Caja protectora
② Cartucho de cinta entintada (negra) × 3
③ Cargador de batería
④ Batería recargable

Acerca del Abastecimiento de Energía

Esta unidad le es entregada conjuntamente con una batería recargable.

Si usted intenta utilizar la unidad cuando la batería está débil, no se encenderá el

When you want to check the level of battery power, hold down the **PRINT** button and switch the power ON. Hold down the **PRINT** button until the power indicator lights, and then print on a sheet of paper. The level of battery power is automatically output.

Copy or receipt of data is impossible while the battery power printout function is activated.

Copy Errors — Fig. 13

When copying in the "Word" mode, copy errors may occur in the following cases (indicated by a copy error tone):

① When you attempt to copy text diagonally.
② When space between lines is less than 1.5mm (1/16").
③ When area in center of copy position is blank.
④ When characters are too large.

To avoid a printout as illustrated in the figure 13 following a Copy Error, either repeat the copy procedure or switch to the "Graphic" mode.

Specifications

Model: CP-9

Copy

Copy density:	8 dots/mm
Copy width:	8mm (5/16")
Maximum copy length:	512mm (20")
Copy speed:	Approx. less than 50mm (2")/second

Print

Print system:	Thermal printing system
Print density:	8 dots/mm
Print speed:	Approx. less than 50mm (2")/second

General

Power source:	Rechargeable nickel-cadmium battery (NP-612) (a full charge is achieved in about 10 hours)
Power consumption:	9W
Operation on a single battery charge:	Approximately equivalent to life of a single ink ribbon (copying of newsprint at density setting of 6)
Dimensions:	139(H) x 33(W) x 34(D) mm (5 3/8" x 1 1/4" x 1 3/8")
Weight:	155g (5.5oz.) including rechargeable battery
Ambient temperature:	5°C ~ 35°C (41°F ~ 95°F)
Accessories:	Hard case, ink ribbon cassettes (black), battery charger, rechargeable battery

OPTIONS

• Ink ribbon cassette	: IR-16BK/BU/RD/GD/SL	2pcs/package
• Rechargeable battery	: NP-612	
• Transfer cable	: SB-61	

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (not applicable to other areas).
WARNING: This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

. . . . reorient the receiving antenna
. . . . relocate the Handy Copy with respect to the receiver
. . . . move the Handy Copy away from the receiver
. . . . plug the Handy Copy into a different outlet so that computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems"
This booklet is available from the US Government Printing Office, Washington D.C., 20402, Stock No. 004-000-00345-4.

Español

Le agradecemos la CP-9 de Casio. Este manual contiene instruciones fáciles de entender que le permitirán utilizar esta unidad en unos pocos minutos. Antes de utilizar la unidad, lea cuidadosamente estas instrucciones.

- Este documento no puede ser copiado, fotocopiado, reproducido, traducido o reducido, en su totalidad o en parte, en forma escrita, por cualquier medio electrónico o en forma legible por máquinas, sin haberse obtenido previamente el consentimiento del fabricante.
- El fabricante no asume la responsabilidad por daños o pérdidas que resulten de la utilización de este manual.
- El fabricante no asume la responsabilidad por cualquier pérdida o reclamo efectuado por terceras partes y que provengan de la utilización de la unidad.
- El fabricante no asume la responsabilidad por daños o pérdidas causadas por el despeje de datos que resulten de una falla, reparación o el reemplazo de la batería del mismo.
- La información contenida en el mismo está sujeta a cambios sin aviso.

Precauciones

Cuando utiliza esta unidad, asegúrese de observar las siguientes precauciones:

- Evite el uso de la unidad en áreas sujetas a la luz solar directa, a temperaturas o humedad extremas. Tome preacuciones especiales para evitar que el elemento copiador sea expuesto a la luz directa del sol.
- La unidad está diseñada para ser utilizada en temperaturas entre 5° y 35° C.
- Evite fundamentalmente el copiado repetitivo de originales obscuros. Si se copian sucesivamente originales obscuros o negros, los componentes internos pueden recalentarse, resultando ello en una falla o en daños a la unidad.
- Nunca permita que entren alfileres, sujetapapeles u otros objetos pequeños en el espacio entre el elemento copiador y la cabeza del impresor.
- Nunca deje caer la unidad o la exponga a impactos fuertes. Tome especial precaución para proteger el elemento copiador y la cabeza impresora, nunca los toque directamente y no permita que sean arañados.
- Asegúrese de proteger la unidad contra daños guardándola en la caja accesoria protectora, cuando no la está utilizando.

Indicador de enrgía y la unidad no funcionará. En este momento los datos almacenados en la unidad son despejados. Asegúrese de cargar la batería en caso de que ello ocurra.

Cuándo Cargar la Batería

Asegúrese de cargar la batería en los siguientes casos:

1. Cuando utiliza la unidad por primera vez o cuando no la ha utilizado por un largo periodo.
2. Cuando el indicador de energía no se encienda, aún cuando la unidad sea encendida ON.
3. Cuando suena la alarma de bajo nivel de energía.
4. Cuando la función de impresión del nivel de la batería indica que el nivel de energía es bajo.

Cargado de la Batería — Figura 3

1. Asegúrese de que la batería recargable esté colocada en la dirección correcta (verifique las marcas ⊕ y ⊖), luego inserte la batería en el cargador de la misma.
2. Enchufe el cargador de la batería en un enchufe normal. El cargado se efectúa automáticamente.
   Generalmente, la batería se recargará totalmente en aproximadamente 10 horas. Evite el cargarla por un tiempo mayor que éste, de lo contrario se acortará la vida de la misma.
3. Cuando finaliza el cargado de la batería, desconecte el cargador de la misma del enchufe eléctrico y retire la batería.

Carga de la Batería una única vez

Aunque dependiente de condiciones tales como la temperatura ambiente, una sola recarga de la batería alimentará a la unidad durante aproximadamente lo que se tarda en utilizar un solo cartucho de cinta entintada.

Notas

- Asegúrese de utilizar el cargador accesorio de Casio "CHA-8HC". Nunca intente cargar la batería utilizando un cagador de diferente tipo ya que ello puede ocasionar daños en la batería o en la unidad.
- Cuando no la utiliza, asegúrese de desconectar el cargador de la batería del enchufe.
- La temperatura de cargado óptima varía entre +10° ~ 30° C. El utilizar el cargador cuando la temperatura ambiente está por debajo de los 5° C o por encima de los 35° C, o cuando está sujeto a la luz solar directa, puede afectar el funcionamiento de la batería o producir pérdidas así como también otros daños.
- El cargado total de la batería una vez cada dos meses asegura que la misma suministre energía durante el período más largo posible. Nunca cargue la batería parcialmente. Cuando no está utilizando la unidad durante largos períodos, cerciórese de cargarla una vez cada 12 meses por lo menos.
- La energía de la batería puede decrecer como resultado de una autodescarga, aún cuando la unidad no esté siendo utilizada. Debido a esto, es siempre una buena idea cargar la batería antes de utilizar la unidad.
- En algunos casos, la carga de la batería puede ser más débil que lo normal en caso de que sea recargada después de que la unidad haya estado guardada por un largo período o cuando se ha dejado el interruptor encendido ON. Intente copiar un original pequeño e imprimirlo cierto número de veces, luego cargue la unidad. Repita este proceso cierto número de veces.
- En condiciones normales de uso, la batería recargable puede ser cargada más de 300 veces. Si la batería pierde la carga anormalmente rápido, aún cuando haya sido cargada correctamente, puede ser que se esté terminando el período de vida útil de la misma. En este caso póngase en contacto con el agente más cercano.

Cargado de la Batería Recargable — Figura 4

Después de que haya sido totalmente cargada, colóquela en la unidad.

Para cargar la batería

1. Después de apagar OFF la unidad, deslice aproximadamente 5 mm., hacia atrás la tapa trasera como se indica en la figura 4-1.
   Nota: Cuando extraiga la batería, los datos almacenados en la unidad serán despejados.
2. Extraiga la tapa levantándola con los dedos.
3. Inserte la batería de tal manera que quede sostenida entre los dos ganchos de la unidad.
4. Para recolocar la tapa trasera alinee la marca triangular en la misma con el punto que está en la impresora, y deslícela en su lugar como se ilustra en la figura 4-4.

Asegúrese de que la tapa trasera esté correctamente colocada.

Acerca de la Cinta Entintada

Una sola cinta entintada (negra) puede ser utilizada para copiar e imprimir aproximadamente 20 metros de material original.
Cuando reemplace la cinta, utilice siempre las de Casio, IR-16 (BK: negra, BU: azul, RD: roja, GD: dorada, SL: plateada).

Cuándo Reemplazar la Cinta Entintada — Figura 5

- Cuando sea visible la cinta de color plata o cuando la cinta no sea alimentada.
- Cuando la alimentación de la cinta sea irregular y se deteriore la calidad de la impresión.
- Antes de reemplazar la cinta, gire el rodillo en la dirección indicada por la flecha. Si la cinta es arrollada tensa, es posible continuar con la impresión utilizando la misma cinta.
- Si se forma un bucle en la cinta durante la impresión, gire el rodillo con el dedo de la manera descripta en la figura 5.

Para Insertar la Cinta Entintada — Figura 6

1. Extraiga la tapa trasera de la unidad (como se describe en "**Cargado de la Batería Recargable**").
2. Extraiga el tope de un nuevo cartucho de cinta y jale levemente de la cinta para formar un pequeño bucle.
3. Inserte el cartucho en la unidad de tal manera que el bucle de la cinta pase alrededor de la parte exerior de la cabeza impresora. Presiónela hacia abajo hasta que encaje firmemente en su lugar.
   - Asegúrese de que el cartucho quede firmemente sostenido por el gancho de la unidad.
   - Tome precauciones para no tocar la cabeza impresora con los dedos.
4. Gire el rodillo en la dirección indicada por la flecha para tensionar la cinta (Figura 6-4). Esto también arrollará la porción transparente de la cinta.
5. Recoloque la tapa trasera.

Asegúrese de que la tapa trasera esté correctamente colocada.

Extracción del Cartucho de Cinta Entintada — Figura 7

1. Abra la tapa trasera.
2. Extraiga el cartucho levantándolo recto, hacia arriba.

Notas

- Aunque la cinta entintada no es nociva para los seres humanos, evite la impresión directa sobre la piel, el lamer la cinta, etc. Asegúrese también de mantenerla fuera del alcance de los niños.
- Debido a la fabricación de la cinta entintada, la tinta puede derretirse si se la expone a temperaturas extremadamente altas.
- Antes de almacenar una cinta que usted haya retirado de la unidad, utilice la punta de un bolígrafo u objeto similar para tensionar el bucle de la cinta (Figura 7-3).